

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Via Express Mail No. EV352374077US

Applicant : N. Bruce Moore et al.
Application No. : To be assigned
Filed : Herewith
Title : THREE-DIMENSIONAL STEERING TOOL FOR CONTROLLED
DOWNHOLE EXTENDED-REACH DIRECTIONAL DRILLING

Grp./Div. : To be assigned
Examiner : To be assigned

Docket No. : 52208/WGM/W277

**INFORMATION DISCLOSURE STATEMENT
FOR A CONTINUING NON-CPA APPLICATION**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PostOffice Box 7068
Pasadena, CA 91109-7068
March 19, 2004

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, enclosed is FORM PTO/SB/08A/B. The references listed thereon are not enclosed because they were of record in a parent application, Application No. 10/282,481, filed October 28, 2002.

It is respectfully requested that these references be considered in the examination of this application, and identified in the list of references cited on the patent issuing on this application.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By Walter G. Maxwell
Walter G. Maxwell
Reg. No. 25,355
626/795-9900

WGM/agj

Enclosure(s)

AGJ PAS556119.1-*03/19/04 1:25 PM

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Attorney Docket Number	52208/WGM/W277
	Application Number	To be assigned
	Filing Date	Herewith
	Applicant(s)	N. Bruce Moore, et al.
	Group Art Unit	To be assigned
	Examiner Name	To be assigned

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - kind code ² . (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
		3,285,350	11/15/1966	Henderson
		4,076,084	02/28/1978	Tighe
		4,454,598	06/12/1984	Claycomb
		4,462,469	07/31/1984	Brown
		4,597,454	07/01/1986	Schoeffler
		4,612,987	09/23/1986	Cheek
		4,828,050	05/09/1989	Hashimoto
		4,854,397	08/08/1989	Warren et al.
		4,928,776	05/29/1990	Falgout, Sr.
		5,096,003	03/17/1992	Kinnan
		5,139,094	08/18/1992	Prevedel et al.
		5,163,521	11/17/1992	Pustanyk et al.
		5,172,765	12/22/1992	Sas-Jaworsky et al.
		5,220,963	06/22/1993	Patton
		5,332,048	07/26/1994	Underwood et al.
		5,341,886	08/30/1994	Patton
		5,343,964	09/06/1994	Leroy
		5,410,303	04/25/1995	Comeau et al.
		5,421,421	06/06/1995	Appleton
		5,439,064	08/08/1995	Patton
		5,443,129	08/22/1995	Bailey et al.
		5,458,208	10/17/1995	Clarke

EXAMINER SIGNATURE		DATE CONSIDERED	
--------------------	--	-----------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Attorney Docket Number	52208/WGM/W277
	Application Number	To be assigned
	Filing Date	Herewith
	Applicant(s)	N. Bruce Moore, et al.
	Group Art Unit	To be assigned
	Examiner Name	To be assigned

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. ¹	<u>DOCUMENT NUMBER</u> Number - kind code ² . (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
		Re 35,790	05/12/1998	Pustanyk et al.
		5,806,615	09/15/1998	Appleton
		5,752,572	05/19/1998	Baiden et al.
		5,758,732	06/02/1998	Liw
		6,003,606	12/21/1999	Moore et al.
		6,082,461	07/04/2000	Newman et al.
		6,088,294	07/11/2000	Leggett, III et al.
		6,089,332	07/18/2000	Barr et al.
		6,092,610	07/25/2000	Kosmala et al.
		6,105,690	08/22/2000	Biglin, Jr. et al.
		6,109,370	08/29/2000	Gray
		6,109,372	08/29/2000	Dorel et al.
		6,158,529	12/12/2000	Dorel
		6,206,108	03/27/2001	MacDonald et al.
		6,241,031-B1	06/05/2001	Beaufort et al.
		6,244,361-B1	06/12/2001	Comeau et al.

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. ¹	<u>Foreign Patent Document</u> Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (✓)
		EP 0 204 474 A1	05/23/1986	The Analysts International S.A.	

EXAMINER SIGNATURE		DATE CONSIDERED	
--------------------	--	-----------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Attorney Docket Number	52208/WGM/W277
	Application Number	To be assigned
	Filing Date	Herewith
	Applicant(s)	N. Bruce Moore, et al.
	Group Art Unit	To be assigned
	Examiner Name	To be assigned

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ² - Number ⁴ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (✓)
		EP 0 209 217 A2	01/21/1987	Cherrington, Martin D.	
		EP 0 209 318 B1	01/21/1987	Cambridge Radiation Technology	
		EP 0 256 796 B1	02/24/1988	Anadrill International SA	
		EP 0 377 373 B1	07/11/1990	Institut Francais Du Petrole	(claims only)
		EP 0 497 420 A1	08/05/1992	Anadrill International SA	
		EP 0 594 418 A1	04/27/1994	Halliburton Company	
		EP 0 624 706 A2	11/17/1994	Baker-Hughes Incorporated	
		EP 0 677 640 A1	10/18/1995	Camco Drilling Group Limited	
		EP 0 774 563 A2	05/21/1997	Baker-Hughes Incorporated	
		EP 0 775 802 A2	05/28/1997	Astec Developments Limited	
		EP 0 806 542 A2	11/12/1997	Camco International (UK) Limited	
		WO 92/14027	08/20/1992	Patton, Bob J.	
		WO 92/14905	09/03/1992	Bergwerksverband GMBH	
		WO 92/21848	12/10/1992	UTD Incorporated	
		WO 92/12318	06/24/1993	Patton, Bob J.	
		WO 92/12319	06/24/1993	Patton, Bob J.	
		WO 96/31679	10/10/1996	McLoughlin, Stephen John	
		WO 96/37678	11/28/1996	Utilix Corporation	
		WO 97/49889	12/31/1997	Gray, Ian	
		DE 29 11 419 C2	11/13/1980	Stander, Wolfgang, Dr. -Ing.	

EXAMINER SIGNATURE		DATE CONSIDERED	
--------------------	--	-----------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.

FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Attorney Docket Number	52208/WGM/W277
	Application Number	To be assigned
	Filing Date	Herewith
	Applicant(s)	N. Bruce Moore, et al.
	Group Art Unit	To be assigned
	Examiner Name	To be assigned

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ² - Number ³ - Kind Code ⁴ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁵ (✓)
		DE 34 03 239 C1	06/27/1985	Jurgens, Rainer, Dr. -Ing.	
		DE 37 04 077 A1	08/13/1987	Bradley, William B. et al.	
		DE 39 39 538 C1	06/13/1991	Jurgens, Rainer, Dr. -Ing.. et al.	
		DE 40 37 262 C2	05/27/1992	Schwidder, Klaus-Dieter et al.	

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

EXAMINER SIGNATURE		DATE CONSIDERED	
--------------------	--	-----------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

WGM/agi

AGJ PAS481818.1-*3/19/04 11:48 AM